

AT-WL2411, 802.11b Wireless Access Point

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KEY FEATURES

Secure information transmission with 40-128 bit Wired Equivalent Privacy (WEP) data encryption

Standards based 802.11b connectivity

In excess of 500ft. transmission distances

Light weight compact size

IP tunneling

SNMP management

Long range antenna available

AT-WL2411 802.11b WIRELESS ACCESS POINT

Allied Telesyn's richly featured AT-WL2411 wireless access point forms the basis of a wireless solution that combines advanced security with high-end management capabilities. The AT-WL2411 uses industry-standard IEEE 802.11b high-rate and wireless technologies to offer cable-free networking at speeds of up to 11Mbps. The AT-WL2411, combined with the AT-WR2411 PC card, provides a range and sensitivity that clearly outdistances the competition. Weighing less than 8 ounces and packaged in an attractive two-color enclosure, the AT-WL2411 is designed for easy integration into all office environments.

Designed for ease of installation and operation, the AT-WL2411 wireless access point automatically tracks and connects roaming wireless clients without the cost and complexity of a dedicated mobile IP server or additional hubs and cabling. In fact, with its fully integrated IP Tunneling capabilities that allow large wireless LANs to span across multiple subnets, users of wireless-enabled laptops and other mobile computing devices are able to maintain a continuous, high quality network connection while seamlessly roaming anywhere throughout the enterprise.



WIRELESS APPLICATIONS

Public Access:

The advanced security features of the AT-WL2411 wireless access point remove the barriers to combined private/public wireless network access. In locations where the public comes together, such as coffee shops, airports, and hospitals, wireless technology has the potential to provide extended office/Internet access to mobile computer users. By allowing roaming mobile users to access the Internet via a common wireless network without concern for the security of business data, businesses can attract more customers by offering more services.

Schools:

Schools can allow access throughout the campus without the expense of wiring every desk. Schools can allow the user to access the network anywhere, from the classroom to the quad. Custom setups let both students and teachers access secure personal data, or connect to the Internet. Open areas can present a problem for wireless access. With connection at 500 feet or more, the AT-WR2411 increases the performance and reliability of the wireless network.

Corporate:

Allied Telesyn's AT-WR2411 series of wireless products are ideal for the mid-sized to large office (100 to 1000 people). Market leading high-end features and security make these the ideal products for the high-end market mentioned above. A company with individuals sharing time between several different sites, and multiple locations within any one of these sites will enjoy the flexibility provided by the AT-WR2411 series. The ability to add temporary users to a network, as well as move individuals around without ever losing access to the corporate network is an invaluable benefit. Sitting in a home office, traveling to other sites, sitting in the boardroom, employees can access their network seamlessly. Advanced features such as IP tunneling and DHCP mean the connection to the network looks the same from a home office or in other corporate locations. A corporate guest in the office for meetings can be allowed access to the Internet and still be isolated from the corporate network.

WIRELESS



Allied Telesyn
Simply connecting the IP world

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WIRELESS LAN CHARACTERISTICS

Designed to comply with IEEE 802.11 Direct Sequence wireless LAN standard for 2.4 GHz DSSS radio implementations
IEEE 802.11b high-rate GHz Direct Sequence Wireless Radio

Frequency Band	2.4GHz frequency band; actual frequencies in use vary by country
Radio Type	IEEE 802.11b high-rate Direct Sequence Spread Spectrum (DSSS)
Radio Power Output	32mW (15dBm)
Radio Data Range	11Mbps, 5.5Mbps, 2Mbps, 1Mbps with automatic fallback for increased range
Channels	United States (FCC) 11 channels Europe (ETSI) 13 channels other countries per local regulations
Receiver Sensitivity	-91dBm @ 2Mbps/-95dBm @ 1Mbps
Range	2Mbps: 356m (1200') open environment 1Mbps: 425m (1400') open environment Limited using roaming

NETWORK INFORMATION

Ethernet Interface	10T
Ethernet Data Rate	10Mbps
Filtering Rate	Full Ethernet Rate (14,880 packets/second)
Protocol Filters	IP, IPX, NetBEUI, DECNET, AppleTalk
Broadcast Traffic Filters	IP, ARP, Novell RIP, SAP, LSP, Adjustable bandwidth allocation
Software Upgrades	Downloadable over the network or serial port

MANAGEMENT

Management Interfaces	SNMP, Web browser-based manager text-based menu system, serial port, or Telnet via RF, serial and Ethernet
SNMP Agents	Version 1 RFC 1213, 1493, (IEEE 802.11 ID MIB), Enterprise MIB
SNMP Traps	Cold start, link up, link down, authorization violation

PHYSICAL MANAGEMENT CONNECTIONS

Phone line via customer-supplied modem:
Ethernet; wireless network; direct cabled connection/DB9 plug,
requires customer-supplied null modem cable

Accessories	Mounting Brackets Serial Console Cable
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POWER CHARACTERISTICS

Input Voltage	5vDC. Supply with external power supply 100-240vAC Auto ranging power supply
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ENVIRONMENTAL SPECIFICATIONS

Operating Temp.	Standard Unit 0°C to 40°C (32°F to 100°F)
Storage Temp.	-20° to 65°C (-4°F to 149°F)
Relative Humidity	10% to 90% noncondensing

PHYSICAL CHARACTERISTICS

Length	14.66cm (5.77")
Width	3.53cm (1.39")
Height	9.32cm (3.67")
Weight	232g (.51lbs)

ELECTRICAL/MECHANICAL APPROVALS

FCC Part 15.247 Certified Canada RSS 210 Certified
ETS 300 328 Type Approved EN 55022/CISPR 22 Class B
FCC Part 15 & ICES-003 Class A SCT Certification, NOM-EM-121,
pending AS 3548, C tick Marked Compliant with all European Directives,
CE Marked (prETS 300 826) UL Listed, C22.2 II 950 TÜV Licensed,
EN 60950 NYCE Certified, NOM 19

ORDERING INFORMATION

WL2411

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Product Range: Allied Telesyn's long-term focus on price/performance networking has made it a market-leading provider of LAN, WAN and MAN network systems. Advanced Layer 3 switch and router technology perfectly complements its traditional Layer 2 switch, hub, adapter card and media conversion capabilities.

USA Corporate Headquarters: 19800 North Creek Pkwy, Suite 200, Bothell, WA 98011, USA • Tel: 800.424.4284 • Fax: 425.481.3895

European Headquarters: Kon. Wilhelminaplein 13/2.10.03, 1062 HH Amsterdam, Netherlands • Tel: +31 20-346 07 00 • Fax: +31 20-346 07 10

www.alliedtelesyn.com

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